## **AMENDMENTS**

## In the Claims:

This listing of claims replaces all prior versions, and listings, of claims in the application.

1. (Currently Amended): A flame-retardant polyester fiber comprising a phosphorus compound copolymerized polyester comprising a phosphorus atom in a side chain and satisfying the following formulas (1)-(3):

$$\tan \delta_{\text{max}} \ge 0.1740 \ \underline{0.236}$$
 (formula 1)

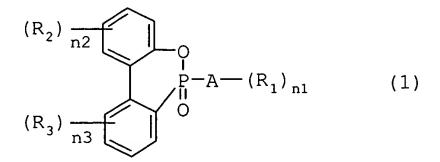
$$T\alpha - 3.77 \times 1n (dtpf) \le 137.0$$
 (formula 2)

$$1.331 \le SG - \frac{\sqrt{\Delta n}}{8.64} \le 1.345$$
 (formula 3)

wherein  $\tan \delta_{max}$  is a maximum value of loss tangent in a dynamic viscoelasticity measurement,  $T\alpha$  is a temperature at which loss tangent reaches the maximum, dtpf is single fiber fineness (dtex), SG is density (g/cm³),  $\Delta n$  is birefringence and wherein the flame-retardant polyester fiber is produced by melt-spinning at a take-up speed of 1000 m/min - 4500 m/min, has a phosphorous phosphorus content of 500-50,000 ppm, and has a shrinkage in hot water (SHW) of not more than 10%, and in a yarn abrasion test the number of times before fiber breakage under a load of 0.098 N/tex is not less than 7720 times.

copolymerized polyester obtained by adding a phosphorus compound of the following formula (1):

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wherein  $R_1$  is a monovalent ester-forming functional group,  $R_2$  and  $R_3$  are the same or different and each is selected from a halogen atom, a hydrocarbon group having 1 to 10 carbon atoms and  $R_1$ , A is a divalent or trivalent organic residue, n1 is 1 or 2 and n2 and n3 are each an integer of 0 to 4.

- 3. (Canceled).
- 4. (Original) The flame-retardant polyester fiber of claim 1, which shows a tensile elongation at break (DE) of 20-50%.
  - 5. (Canceled).
- 6. (Original) The flame-retardant polyester fiber of claim 1, which satisfies the following formula 4, wherein a L value is not less than 67 and a b value is not more than 10.00 as measured with a Hunter's color-difference meter:

wherein %B.B. is a proportion of ester bond broken upon immersion in a closed system in pure

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water at 130°C for 6 h, which can be determined by the following formula (5) wherein an intrinsic viscosity before immersion is  $[\eta]_i$  and that after immersion is  $[\eta]_f$ , and the intrinsic viscosity is

determined in a mixed solvent of phenol/1,1,2,2-tetrachloroethane (weight ratio 3/2) at 30°C:

%B.B. = 
$$0.244 \times \{ [\eta]_f^{-1.471} - [\eta]_i^{-1.471} \}$$
 (formula 5).

7. (Original) The flame-retardant polyester fiber of claim 1, wherein the phosphorus compound copolymerized polyester comprises an organic fluorescent brightener in a proportion of 0.01-1 wt% and, as a condensation polymerization catalyst, an antimony compound, a germanium compound and a cobalt compound in amounts that simultaneously satisfy the following formulas (6)-(9):

$$30 \le S \le 400$$
 (formula 6)

$$10 \le G \le 100 \qquad (formula 7)$$

$$5 \le C \le 40$$
 (formula 8)

$$200 \le S + 2G + C \le 400$$
 (formula 9)

wherein S, G and C are each a content (ppm) of an antimony atom, germanium atom or cobalt atom relative to the polyester.

8. (Currently Amended) A flame-retardant polyester woven or knitted fabric comprising the flame-retardant polyester fiber of claim 1 at least in a part thereof.

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9. (Previously Presented) A suede raised woven or knitted fabric, which is a raised woven, knitted fabric comprising the flame-retardant polyester woven or knitted of claim 8 that underwent a raising treatment, and which shows a coefficient of friction of a surface of the woven, knitted fabric by a surface tester KES-FB4 of 0.200-0.300.

10. (Currently Amended) A flame-retardant polyester raised warp knitted fabric, which is a raised woven or knitted fabric comprising the flame-retardant polyester woven or knitted of claim 8 that underwent-subjected to a raising treatment, and which shows an after-flame time of not more than 3 sec as measured by the following test method:

a flame of a lighter is drawn up to a bottom end of a specimen (1.5 cm  $\times$  20 cm) stood vertically and the flame is drawn back when the specimen is inflamed, along with which the after-flame time of the specimen is measured.

- 11. (Currently Amended) A flame-retardant polyester non-woven fabric comprising the flame-retardant polyester fiber of claim 1-at least in a part thereof.
- 12. (Previously Presented) The flame-retardant polyester fiber of claim 1, wherein the fiber is obtained by drawing, after melt spinning, at a draw ratio of not more than 2.88 and at a setting temperature of not less than 150°C.